

MONUMENT RECORD

Corner ID: **BeBI_C23**

Center Quarter Corner

Section 31- T10N-R02W, 2nd P.M.

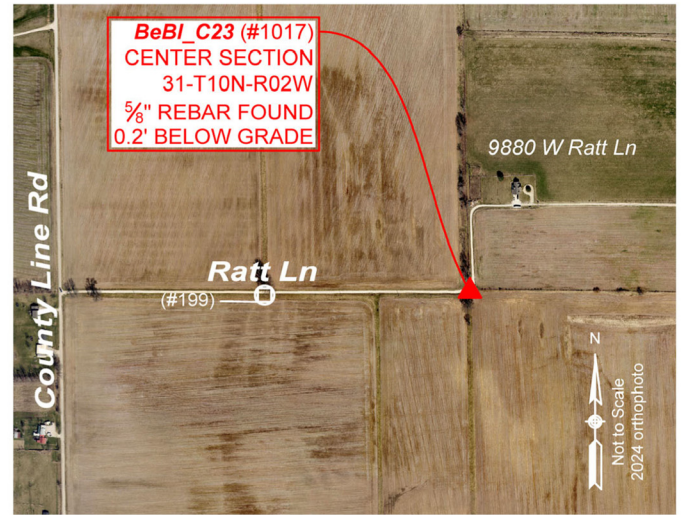
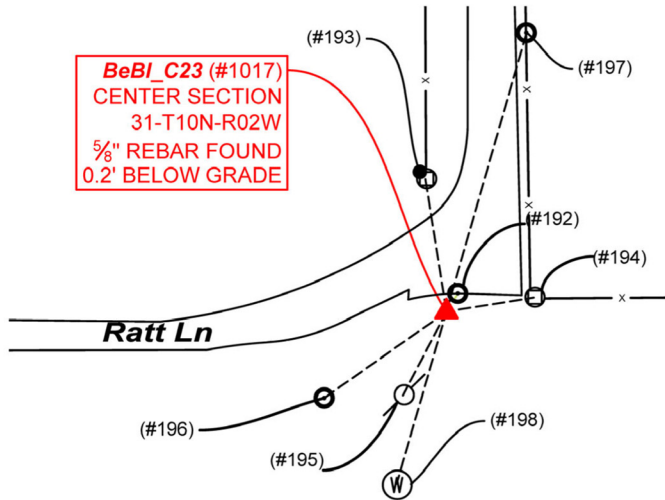
Bean Blossom Township, Monroe County, Indiana

Section 31
T10N-R02W

MONUMENT: Describe monument set or found (Include material type, scribing, distance above/below grade, dimensions.)

(#1017) 5/8" rebar found 0.2' below ground, ± in line with the extension of North and East bound fences and the North edge of a West bound stone drive, known as Ratt Lane, just South of a curve in said drive.

MONUMENT LOCATION SKETCH:



WITNESS MONUMENT TIES: Describe at least three new BT's (Bearing Trees) and/or witness objects established or work done to preserve existing evidence. BT diameters are noted as dbh (diameter at breast height) and are measured approximately 4.5' above ground. Bearings and Distances are measured from the monument to the center of the BT. Bearings and Distances to witness ties were measured with a Sokkia Set 510 Total Station.

ID	Bearing	Distance	Description
(#193)	N09° 03'W	41.9'	0.9' north X 1' east-west limestone post found 4' tall
(#194)	N80° 52'E	27.6'	Wood Railroad tie corner post at North and East fence corner, Survey marker sign nailed to West side 5 1/2' above ground facing West.
(#195)	S27° 34'W	29.4'	Power Pole
(#198)	S16° 12'W	55.7'	Center of 6" Well casing.
(#199)	S88° 54'W	1069.1'	Center of Limestone Post

MONUMENT ACCESSORIES

Other survey grade monuments that were located in the vicinity and their relation to the monument. Witnesses noted as a Rebar Lite are a 5/8" diameter by 16" polycarbonate rod with a 1-1/2" mag nail in top and yellow plastic cap stamped "MONROE COUNTY WITNESS POINT" set 0.1 foot below grade unless otherwise noted.

Geodetic coordinates in this table are provided in the format Northing, Easting

(#192)	N32° 10' 09"E	6.79'	N:1461357.7609' E:3067838.7612' 2 1/2" inside diameter iron pipe (believed to be old broken post stub) found 0.25' above ground.
(#196)	S54° 51' 34"W	46.63'	N:1461325.1739' E:3067797.0147' Rebar Lite
(#197)	N16° 03' 34"E	90.51'	N:1461438.9912' E:3067860.1843' Rebar Lite



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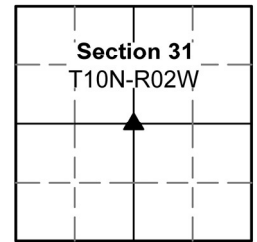


PHOTO IDENTIFIED: *Photo Date:* 11/06/2024



Photo Orientation & Description: From West Looking East



Photo Orientation & Description: From South Looking North

EXISTING SURVEY HISTORY *Include as much detail and history of the corner as known at the time of perpetuation*

ORIGINAL GOVERNMENT SURVEY:

This corner was not set in the original Government Survey. Books Regarding Establishment of this corner.

SUBSEQUENT CORNER RESTORATION:

Nothing was found in Monroe County Legal

OTHER SURVEY HISTORY: *Include details such as surveyor name, date, recording info, monument description, etc.*

No surveys were found showing this corner. I did find a parcel description in instrument #2024008306 that called for a stone 158 rods 17 links (2618.22') North and 128 rods 17 ½ links (2123.55') East of the Township corner.

ORIGINAL OR SUBSEQUENT SURVEY EVIDENCE FOUND BY THE MONROE COUNTY SURVEYORS OFFICE: *Include, search area or areas, search procedure, etc.*

Date of Field work/Search: 8/24/24 & 11/06/24 *By:* MES/JMG/WEP *Monument Found:* Rebar *BTs or Reference Objects Found:* No, but references made. *Project #:* 24-004 *Field Book:* 57, pages 9 & 48 *Notes:*

OTHER EVIDENCE: *Describe corner location relative to nearby features and how to reach the corner location – note fences, roads, timber cutting lines, mow lines, clearings, plantings, streams, topo changes, etc.*

The rebar appears to be in general harmony with the extension of North and East bound fence lines and a wide South bound crop field division line.

MONUMENT PRESERVATION: *Describe work done to preserve existing monument.*

GPS coordinates were established on the rebar, 2 rebar Lites were set, and a pipe was located within sight of the rebar that could be used to reestablish its location should it become obliterated, additionally posts, a power pole and a well were located to aid in visually finding the rebar. A Monroe County Survey marker sign was set in the railroad tie post East of the rebar facing West.



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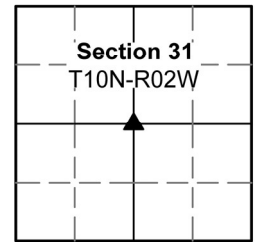
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THEORY OF LOCATION: *Describe the theory of location for acceptance of this monument. Include monument origin and associated uncertainty.*
The rebar was found. I was unable to find its origin or history. The procedures set forth by the Bureau of Land Management for establishment of the center of a Section of land is to establish it at the intersection of lines joining the opposite Quarter corners of a Section. This rebar measured to be $\pm 1.2'$ West of a straight line between the Monuments set this survey at the North and South Quarter corners of the section (BeBI_C21 & BeBI_C25) and $\pm 6.8'$ North of a straight line between the Monument set this survey at the West Quarter corner of the section (BeBI_A23) and the Limestone post found at the East Quarter corner of the Section (BeBI_E23) and therefore, in my opinion bears an uncertainty of that magnitude. It is also noteworthy that the Rebar measured to be only $\pm 0.6'$ South of the extension of a straight line between the Limestone post at the East Quarter of the Section (BeBI_E23) and a limestone post between said East Quarter corner and the center of Section (assumed BeBI_D23). Since the rebar matches occupation lines so well and no prior history of establishment of this corner could be found, it may be considered (and I consider it) to be at the originally established location of the Center of Section 31 Township 10 North Range 2 West.

GEODETIC COORDINATES: *Northing:*1461352.0' *Easting:*3067835.1'

BASIS OF GEODETIC COORDINATES:

The basis of bearings is Grid North NAD83(2011), Indiana West Zone, Epoch 2010.0000, Geoid Model G2012BU7, Datum NAD83_NO_TRANS, US Survey Feet, derived from GPS observations utilizing the Indiana Real-Time Network (INCORS). Coordinate data was collected with a Javad Triumph LS Network Rover and/or with a Sokkia Set 510 Total Station radially from points located with GPS. Distances obtained with GPS have not been adjusted to ground. To adjust grid distances to ground distances multiply them by a scale factor of 1.000047215.

This document is not complete without the associated Corner Perpetuation plat and report of survey for Section 31 Township 10 North Range 2 West, by Michael E. Sheppard of the Monroe County Surveyor's Office.

CERTIFICATIONS:



Michael E. Sheppard

Date: 06/17/2025

Michael E. Sheppard

State of Indiana

Professional Surveyor

No. 20100021



Trohn Enright-Randolph

Date: 06/17/2025

Trohn Enright-Randolph

Monroe County Surveyor



Donna B. B. B.

Accepted by the Monroe County

Surveyor Review Board on

06/17/2025



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